

Date: Mon, 21 Jun 93 17:30:37 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #178
To: packet-radio

Packet-Radio Digest Mon, 21 Jun 93 Volume 93 : Issue 178

Today's Topics:

Alinco DJ-580 interface to TNC
AMIGA PACKET IN BRITAIN
ampr.org
ARRL HF Survey (N.E. Division)
ARRL Questionnaire (N.E. Division) (2 msgs)
Help, PTM522 mail snatcher
Internet to packet
KISS Only TNC?
Packet Tracker vers 1.0.7?
PK-88 help!
PK232 HELP! (No manuals)
PK232 HELP! (No manuals) Solved
TCP/IP Help, please
using a modem as a TNC...

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Jun 1993 14:32:47 -0400
From: usc!howland.reston.ans.net!gatech!udel!news.intercon.com!panix!not-for-mail@network.UCSD.EDU
Subject: Alinco DJ-580 interface to TNC
To: packet-radio@ucsd.edu

In article <2027mu\$1h6@sun.Panix.Com> clay@panix.com (Clay Irving) writes:
>I'm trying to connect my Alinco DJ-580 to an AEA PK-232MBX controller...

Clay, if the DJ-580 is an HT you probably will need to put together a small circuit (either a resistor and capacitor, or a transformer) as PTT is handled by a DC circuit on the TX audio line.

(Let me know if you need more help -- send me mail)

--

```
----- Andrew Funk, KB7UV -----  
|      Chair, Radio Amateur Telecommunications Society (RATS)      |  
| ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |  
| Internet: kb7uv@panix.com      Packet: kb7uv@kb7uv.#nli.ny.usa |
```

Date: Mon, 21 Jun 1993 23:25:00 GMT
From: sdd.hp.com!col.hp.com!csn!ub!acsu.buffalo.edu!ubvms.cc.buffalo.edu!
v087jsfu@network.UCSD.EDU
Subject: AMIGA PACKET IN BRITAIN
To: packet-radio@ucsd.edu

I have a cousin who has an AMIGA in Northern Ireland. First off, are licenses to operate packet difficult in Britain? Second, what kind of TNC, or software is needed for an AMIGA 500? Would a KANTRONICS work?

Danny Anderson
N2UPM

Grand Island, NY

Date: 21 Jun 1993 15:55:07 GMT
From: usc!howland.reston.ans.net!europa.eng.gtefsd.com!smp1!
sgardner@network.UCSD.EDU
Subject: ampr.org
To: packet-radio@ucsd.edu

Date: Mon, 21 Jun 1993 20:43:53 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!math.ohio-state.edu!uwm.edu!
src.honeywell.com!skyler.mavd.honeywell.com!estey@network.UCSD.EDU
Subject: ARRL HF Survey (N.E. Division)
To: packet-radio@ucsd.edu

The ARRL survey in question 3 seems to force a 2-way choice when there may be additional possible responses. An alternative is to follow our neighbors to the North and allow operations anywhere authorized by the class of license - provided emissions remain within the band edges. This has not led to anarchy in Canada - and it probably won't here either.

Surveys like the ARRL survey I reference (released by Luck Hurder of ARRL for the NE Director) often lead individuals into making narrow choices amongst the choice the author would prefer. It is hard to create an impartial, unbiased survey. One can only hope the ARRL Board will be smart enough to recognize this and add some common-sense to their interpretation. Otherwise we will have a reoccurrence of the now famous QST/RTTY Journal survey that received only around 550 responses (from a combined readership of over 200,00 if I recall correctly) and was used by the ARRL as evidence supporting their initial proposal. Surveys can be dangerous things

73
Carl
--

Carl Estey		Home Mail Address: 276 Walnut Lane
Amateur Callsign: WA0CQG		Apple Valley, MN 55124
		Business Address: Honeywell Inc.
Phone: Work (612) 542-5136		Flight Systems & Test Operations M/S MN15-2370
FAX (612) 542-6003		1625 Zarthan Ave. S., St. Louis Park, MN 55416
Home (612) 432-0699		Packet: WA0CQG @ WA0CQG.#SOMSP.MN.USA.NA

The nonsense here is of my own making - no one else would want credit!

Date: 21 Jun 93 12:06:02 EDT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!
udel!news.intercon.com!psinnntp!arrl.org@network.UCSD.EDU
Subject: ARRL Questionnaire (N.E. Division)
To: packet-radio@ucsd.edu

For those of you in the New England ARRL Division, your elected ARRL Director would like to hear from you with regard to the following. Please feel free to respond to ME, if you wish, via Email on this network, at which point I can easily forward your response to your Director.

Luck Hurder, KY1T
ARRL HQ Newington CT

June 18, 1993

QUESTIONNAIRE

NEW ENGLAND DIVISION

Please answer the following questions and return before July 5 to:

Bill Burden, WB1BRE
RR1 Box 157
Strafford, VT 05072

This will allow us to analyze the results and review it prior to the Director's meeting on July 16, 17.

PART A. AUTOMATIC AND SEMI-AUTOMATIC HF DIGITAL CONCERNS:

(If you are purely a VHF/UHF operator, or above; or a phone operator at HF, please don't respond to this portion of the questionnaire. HF here is defined as the Amateur bands below 30 Mhz. VHF includes the 6M band on up to 225 Mhz. UHF includes the 420 Mhz and 902 Mhz bands. Microwave frequencies are the Amateur bands from 1240 Mhz up.)

1. Do you use HF Digital (Packet, Pactor, Clover, RTTY or other, not CW) modes?

Yes _____ No _____. If Yes or plan to: Rarely _____, 1-5 times per month _____, Daily _____.

2. Do you, or do you plan to use Automatic HF Digital Forwarding? (This is sending and receiving digital messages on specifically designated HF bands at times no operator is actually in control during sending and receiving. This activity was permitted under FCC Special Temporary Authorization)

Yes _____, No _____. If Yes, Rarely _____, 1-5 times per month _____ Daily _____.

3. The ARRL Board of Directors is considering proposals to permit SEMI-AUTOMATIC, HF DIGITAL FORWARDING. (This is sending and receiving digital messages on HF bands at times when one control operator is on frequency. A directed message is recorded in a BBS for later transmission, or a message from a non-attended BBS is collected and received later. This activity would not take place in real time. This activity is not currently permitted by the FCC on HF Amateur bands). Do you believe you would use this mode?

Yes ____, No _____. If Yes, Rarely ____, 1-5 times per month ____

Daily _____.

4. Do you operate CW on HF Frequencies? Yes ____, No _____.

If Yes, Rarely ____, 1-5 times per month ____, Daily _____.

PART B. SPECTRUM MANAGEMENT, USE OF SPECTRUM, AND BANDPLANNING.

5. Do you believe it is desirable to retain a significant portion of HF Amateur bands reserved exclusively for CW communications?

Yes _____, No _____.

6. Do you believe the UHF, VHF, and HF bands should be sectioned off to provide exclusive portions to such modes as ATV, SSTV, Beacons, weak signal ops, digital (with consideration of protocol baud rate, control operator functions, etc)?

Yes _____, No _____.

COMMENTS FOR THE DIRECTORS;

Signature (optional) _____

Call Sign _____

| | | Deputy Manager, Field Services, ARRL.
| |_---| The ARRL Amateur Radio Emergency Service, the ARRL
| luck | |urder National Traffic System, The Amateur Auxiliary to
-----| | the FCC's Field Operations Bureau, the ARRL
 KY1T Field Organization and the ARRL Monitoring System.

lhurder@arrl.org Prodigy - MGTS39A, BIX - ARRL,
 MCI Mail - RPALM, MCI Mail - "ARRL", America On Line - "ARRL HQ"
 Compuserve - 70007,3373 (ARRL HQ) -- Genie ARRL.HQ

Date: Mon, 21 Jun 1993 23:59:54 GMT
From: news.mentorg.com!mentorg.com!hanko@uunet.uu.net
Subject: ARRL Questionnaire (N.E. Division)
To: packet-radio@ucsd.edu

Well folks - I thought the ARRL had a digital committee tasked with investigating these issues, had already done a survey, and had hosted a meeting to discuss the serious issues raised by the ARRL's position. Yes - this all did happen - but the folks at the ARRL in charge of making decisions appear to have decided to ignore what the digital committee recommended. So, as an Ronnie Reagan used to say "There you go again ..."

To the folks at the ARRL:

Please publish some real data here before you start in again with these "surveys".

1. Text of existing NPRMs.
2. ARRL responses (or other filings) about these NPRMs.
3. Minutes of the Dallas meeting, including the instructions to the digital committee.
4. Communications from the FCC, or influential FCC personal, relating to these matters.

In article <1625@arrl.org>, lhurder@arrl.org (Luck Hurder KY1T) writes:

|>
|> For those of you in the New England ARRL Division, your elected
|> ARRL Director would like to hear from you with regard to the
|> following. Please feel free to respond to ME, if you wish,
|> via Email on this network, at which point I can easily forward
|> your response to your Director.
|>
|> Luck Hurder, KY1T
|> ARRL HQ Newington CT
|>
|> June 18, 1993
|>
|> QUESTIONNAIRE
|>
|> NEW ENGLAND DIVISION
|>
|> Please answer the following questions and return before July 5 to:
|>
|> Bill Burden, WB1BRE
|> RR1 Box 157
|> Strafford, VT 05072
|>
|> This will allow us to analyze the results and review it prior
|> to the Director's meeting on July 16, 17.
|>
|> PART A. AUTOMATIC AND SEMI-AUTOMATIC HF DIGITAL CONCERNS:
|>
|> (If you are purely a VHF/UHF operator, or above; or a phone
|> operator at HF, please don't respond to this portion of the
|> questionnaire. HF here is defined as the Amateur bands below
|> 30 Mhz. VHF includes the 6M band on up to 225 Mhz. UHF
|> includes the 420 Mhz and 902 Mhz bands. Microwave frequencies
|> are the Amateur bands from 1240 Mhz up.)
|>
|> 1. Do you use HF Digital (Packet, Pactor, Clover, RTTY or other,
|> not CW) modes?
|> Yes _____ No _____. If Yes or plan to: Rarely _____, 1-5 times
|>
|> per month _____, Daily _____.

Since almost all long haul bbs forwarding traffic is moved via HF,
most "... purely a VHF/UHF operator ..." type folks also make use of
the existing HF networks. Rewording the question to ask if you "make use
of HF or of the services provided by the existing HF network" might better
capture the actual use of the existing facilities.

|>
|> 2. Do you, or do you plan to use Automatic HF Digital Forwarding?

|> (This is sending and receiving digital messages on specifically
|> designated HF bands at times no operator is actually in control
|> during sending and receiving. This activity was permitted under
|> FCC Special Temporary Authorization)
|>
|> Yes _____, No _____. If Yes, Rarely _____, 1-5 times per month ____
|>
|> Daily _____.
|>

Or "do you now or do you plan to send ANY long distance message, or send or read any bulletins which require large geographic coverage".

|> 3. The ARRL Board of Directors is considering proposals to permit
|> SEMI-AUTOMATIC, HF DIGITAL FORWARDING. (This is sending and
|> receiving digital messages on HF bands at times when one control
|> operator is on frequency. A directed message is recorded in a
|> BBS for later transmission, or a message from a non-attended BBS
|> is collected and received later. This activity would not take
|> place in real time. This activity is not currently permitted by
|> the FCC on HF Amateur bands). Do you believe you would use this
|> mode?
|>
|> Yes _____, No _____. If Yes, Rarely _____, 1-5 times per month ____
|>
|> Daily _____.
|>
|> 4. Do you operate CW on HF Frequencies? Yes _____, No _____.
|>
|> If Yes, Rarely _____, 1-5 times per month _____, Daily _____.
|>

The FCC is also considering such a proposal ... and the ARRL has been "considering" this proposal for about eight years now, without any useful action taking place. My personal assumption is that the ARRL will continue to "consider" and will fail to take any useful action.

"SEMI-AUTOMATIC" is the ARRL's new "joke" mode ...
"Well, let's see here ... yup, I'm here, so I'm a control op for my station. Nobody home at the other station? Probably not. Must be "SEMI-AUTOMATIC" then". Or is it simply a control link with a single operator controlling both stations? What is a "directed message"? For that matter, what is a "non-directed message"? How does the "SEMI-AUTOMATIC" station differ from a fully automatic station? What about nodes, digipeaters, network routers?

Let's get some discussion going here ...

|>

[illegible]

PART B. SPECTRUM MANAGEMENT, USE OF SPECTRUM, AND BANDPLANNING.

5. Do you believe it is desirable to retain a significant portion of HF Amateur bands reserved exclusively for CW communications?

Yes , No .

"Significant"? What would that be? 10Khz on 20M? 100 Khz?

6. Do you believe the UHF, VHF, and HF bands should be sectioned off to provide exclusive portions to such modes as ATV, SSTV, Beacons, weak signal ops, digital (with consideration of protocol baud rate, control operator functions, etc)?

"sectioned off"? Does this mean by gentlemen's agreement type band plans? Does it mean by FCC action? Do we want the bands divided up into mode-specific slivers for modes that differ (for example) by baud rate? "Sorry, this is the 45.45 baud RTTY band, you need to QSY to the 50 baud RTTY band."

Yes _____, No _____.

COMMENTS FOR THE DIRECTORS;

Signature (optional)

Call Sign _____

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|> |      |      |      Deputy Manager, Field Services, ARRL.
|> |      |____|      The ARRL Amateur Radio Emergency Service, the ARRL
|> | uck   |      |urder  National Traffic System, The Amateur Auxiliary to
|> -----|      |      the FCC's Field Operations Bureau, the ARRL
|>      KY1T      Field Organization and the ARRL Monitoring System.
|> -----
|> lhurder@arrl.org  Prodigy - MGTS39A, BIX - ARRL,
|>      MCI Mail - RPALM, MCI Mail - "ARRL", America On Line - "ARRL HQ"
|>      Compuserve - 70007,3373 (ARRL HQ)  -- Genie ARRL.HQ

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Hank Oredson @ Mentor Graphics
Internet : hank_oredson@mentorg.com
Amateur Radio: W0RLI@W0RLI.0R.USA.NA

Date: 21 Jun 93 14:44:25 GMT
From: news-mail-gateway@ucsd.edu
Subject: Help, PTM522 mail snatcher
To: packet-radio@ucsd.edu

I'm using the Danish packet program PTM522 and I'm having a small problem with the mail snatcher. I can get the program to connect to our local node (DCA) but can't get it to connect to my home BBS (BWIBBS) from there. If I make the connection myself, mail transfers as it should but if I let it do it on it's own, it stops at the node. My setup reads DCA4,C BWIBBS and I suspect it's waiting for something from the node and not getting it. All the node says after connecting is ***Connected to DCA4. Any ideas?

Second problem. I can't seem to get a registration number for the program out of the Stateside point of registration.

Thanks in advance and good luck on FD Saturday!

Bob (K8RYA - Ohio boy lost in DC) the ham what am.
Internet e-mail to the DoD DDN NIC taggartr@nic.ddn.mil
Amateur packet k8rya@wb3v.md.usa.noam

Date: Mon, 21 Jun 1993 16:19:15 GMT
From: usc!howland.reston.ans.net!news.ans.net!newsgate.watson.ibm.com!
hawnews.watson.ibm.com!news@network.UCSD.EDU
Subject: Internet to packet
To: packet-radio@ucsd.edu

In <1993Jun20.160723.8317@ennews.eas.asu.edu> shandrow@enuxva.eas.asu.edu (Darrell B Shandrow) writes:

>Hi. I would like to know what is happening with the internet to packet
>systems. I can still get to wa4ong.handheld.com where I can telnet to the
>system in Hawaii. However, I was registered on ke9yq and this system is no
>longer reachable at ke9yq.imsa.edu. I need this because I need to be able
>to packet into St. Louis, MO and into Illinois.
>If anyone can shed some light on this I'd be grateful. 73 de nu7i

I read somewhere that the Chicago Gateway has a harddisk crash and would
be down until a replacement could be found. If you can't get to it,
it must still be down.

73's de Jack - kf5mg
AX25net - kf5mg@kf5mg.#dfw.tx.usa.na - (817) 962-4409
AMPRnet - kf5mg@kf5mg.ampr.org - 44.28.0.14
Internet - kf5mg@vnet.ibm.com

"I am Homer, of Borg...prepare to be assim -- ooo, donuts."

Date: Mon, 21 Jun 1993 12:11:31 GMT
From: usc!howland.reston.ans.net!darwin.sura.net!gatekeeper.es.dupont.com!
esds01.es.dupont.com!jhtaylor.wm.dupont.com!user@network.UCSD.EDU
Subject: KISS Only TNC?
To: packet-radio@ucsd.edu

Can someone tell me whether they know of a comercial KISS only TNC which
would be inexpensive and suitable for tcp/ip on packet?

Thanks for the help!...

Date: 21 Jun 1993 14:30:12 -0400
From: swrinde!gatech!udel!news.intercon.com!panix!not-for-mail@network.UCSD.EDU
Subject: Packet Tracker vers 1.0.7?
To: packet-radio@ucsd.edu

dalpert@merle.acns.nwu.edu (Dave Alpert) writes:

>Does anyone have version 1.0.7 or later? I know it's public domain, but I
>can't find it anywhere. Help would be appreciated. Thanks
>

There is a *big* difference between software which is released free for
non-commercial, Amateur Radio use and "public domain".

I'm not sure if Packet Tracker has been uploaded to ftp sites yet... We
plan to get all RATS software (ROSE Switch, ROSErrver/PRMBS PBBS, RMAILer,
STS, PackeTracker, etc.) available hereon the net.

For PackeTracker-specific questions, please send email to Mark Sproul,
KB2ICI: sproul@sproul.com

73, Andy

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----- Andrew Funk, KB7UV -----
|      Chair, Radio Amateur Telecommunications Society (RATS)      |
| ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |
| Internet: kb7uv@panix.com      Packet: kb7uv@kb7uv.#nli.ny.usa |

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Date: 21 Jun 93 15:26:14 GMT
From: flop.ENG.RORST.EDU!gaia.ucs.orst.edu!osshe.edu!news.uoregon.edu!
netnews.nwnet.net!ns1.nodak.edu!plains.NoDak.edu!grant@RUTGERS.EDU
Subject: PK-88 help!
To: packet-radio@ucsd.edu

Subject: PK-88 help!
Summary: Can't get STA light to blink when there is unread mail.
Expires:
Sender: grant@plains.nodak.edu
Followup-To:
Distribution: Distribution:
Organization: North Dakota Higher Education Computing Network
Keywords: PK-88, pk-88, help, confused, mail

Well, the problem is that if I get new mail the STA light should blink and
is not. I am using PC-Packratt 88 with it. I think it is just a software
setting, but I can't find it. Any help would be greatly appreciated.

Thanks and 73's - KA0ZRW - Tech. - Chris

--

Christopher K. Grant | To know recursion, you must first know recursion.
grant@cobber.cord.edu | My views are my own and not that of my employer.
--- Northern Lights Cooperative Automation Project - WMMRCC ---

Date: Mon, 21 Jun 1993 14:39:10 GMT
From: swrinde!cs.utexas.edu!uwm.edu!ux1.cso.uiuc.edu!newsrelay.iastate.edu!
news.iastate.edu!sysad.cnde.iastate.edu!njohnson@network.UCSD.EDU
Subject: PK232 HELP! (No manuals)
To: packet-radio@ucsd.edu

At a hamfest this weekend I purchased a PK-232MBX.
However, It did not come with the main user manual
(just upgrade installation instructions).

It appears to be stuck in FAX mode.

Symptoms: When connected to the computer, All I get is a continuous stream
of characters. When it is also connected to a HF Rig tuned to a WEFAX frequency
the characters change.

Can anyone provide me with information on how to get it doing VHF packet?

A pinout of the back connectors would be nice to!

Important info:

Model #	PK-232MBX
Serial #	55820
Firmware Date	01.AUG.91
ID number on Rom's	E1742

I'm going to contact AEA ASAP to see about ordering a manual.

Thanks,

Neil Johnson

Phone # 515-294-6531
Fax # 515-294-6368

--
Neil Johnson, N0SFH | Systems Administrator
njohnson@cnde.iastate.edu | Center for Nondestructive Evaluation
njohnson@sysad.cnde.iastate.edu | Institute for Physical Research & Technology

neil@iastate.edu | Iowa State University
| Ames, Iowa

Date: Mon, 21 Jun 1993 20:07:43 GMT
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!newsrelay.iastate.edu!
news.iastate.edu!sysad.cn.de.iastate.edu!njohnson@network.UCSD.EDU
Subject: PK232 HELP! (No manuals) Solved
To: packet-radio@ucsd.edu

Thanks for the replies.

I called AEA and ordered a set of manuals (about \$35 including overnight shipping).

The service rep was VERY helpful. Based on my description of the problem he knew right a way what the problem was.

Basically the Wall transformer I was using didn't supply enough current for the unit to operate properly. I've since gotten a bigger wall pack and every thing works fine.

Thanks to all of you who responded.

I was very impressed with AEA. I will definitely consider them when purchasing ham equipment in the future.

--
Neil Johnson, N0SFH | Systems Administrator
njohnson@cn.de.iastate.edu | Center for Nondestructive Evaluation
njohnson@sysad.cn.de.iastate.edu | Institute for Physical Research & Technology
neil@iastate.edu | Iowa State University
| Ames, Iowa

Date: Mon, 21 Jun 1993 18:55:25 +0000
From: usc!howland.reston.ans.net!torn!nott!bnrgate!bnr.co.uk!uknet!warwick!qmw-
dcs!qmw!demon!g6khw.demon.co.uk!ian@network.UCSD.EDU
Subject: TCP/IP Help, please
To: packet-radio@ucsd.edu

If you get a copy of NOSVIEW it has examples etc and docs. You can find a copy on demon.co.uk in the /pub/ibmpc/ham I think that was where it got put. This should answer ALL your questions.

73 Ian

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+-----+-----+
| G6KHW          | AMPR.NET - g6khw@dunbbs.ampr.org [44.131.5.120] |
| Ian Bultitude  | AX25 BBS - G6KHW@GB7KHW.#21.GBR.EU             |
| 3 Cambridge Road | INTERNET - ian@g6khw.demon.co.uk [158.152.11.175] |
| Dunton         | BT NET   - +44-767-601801                       |
| Nr Biggleswade  | BT FAX   - +44-767-601827 on request only       |
| Beds SG18 8RT   | Celnet   - +44-860-756633                       |
+-----+-----+
```

Date: Mon, 21 Jun 93 11:28:53 GMT

From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!mstar!
n8emr!gws@network.UCSD.EDU

Subject: using a modem as a TNC...

To: packet-radio@ucsd.edu

In article <1993Jun18.070211.8428@biztech.com> bmehlman@biztech.com writes:

>In article <C8rq8D.Gnw@pau.synnet.com> mccarthy@splinter.synnet.com (Mike
>McCarthy) writes:

>> In article <jeffries.740315177@vincent1.iastate.edu>,

>jeffries@iastate.edu (Anthony G Jeffries) writes:

>> |> Can I use my modem as a TNC? The modem in question is a Hayes

>2400EC, with

>> |> V.42bis and MNP5. I'm thinking that it won't work, but I'm still

>curious.

>>

>> The older Hayes smartmodems had a section in the back of the manual on
>how

>> to use them for packet. Basically, you need to put the modem into half

>Interesting... I didn't know they had Bell-202 modes? Has anyone done

>this? I see a few requirements:

Older hayes were able to generate RTTY tone but not "packet" tones.

Even if you have a way to generate and detect bell 202 tones you

still have some work to build the actual packets to be sent out.

The TNC has several parts.

PTT, You need something that can switch between
transmit and receive.

Modem this is what generates the outgoing tones,
It also detects the incoming tones. Note
at higher speeds you may or may not hear a tone.

PAD, Packet assembler,disassembler. This is what

takes the characters you type and turns it into an AX25 packet. (this is where most of the TNC computer power goes)

User interface. This is the CMD: prompt. It allows the user to set various PAD, modem and PTT options.

--

Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)

Date: Mon, 21 Jun 1993 16:17:10 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sol.ctr.columbia.edu!news.kei.com!
das.wang.com!wang!tegra!vail@network.UCSD.EDU
To: packet-radio@ucsd.edu

References <C8q7Fw.u9@tegra.com>, <C8tMxv.1s9y@hawnews.watson.ibm.com>,
<match.9.0@>:
Subject : Re: using a Sound Blaster board as a TNC

In article <match.9.0@> match@ (Marvin Match) writes:

In article <C8tMxv.1s9y@hawnews.watson.ibm.com> kf5mg@vnet.ibm.com (Jack Snodgrass) writes:

>In <C8q7Fw.u9@tegra.com> vail@tegra.com (Johnathan Vail) writes:

>>And back to the original thread: by the time you have a sufficient
>>computer and software and another \$100 for a board why would anyone
>>ever want to dedicate this to packet when you can do it easier and
>>cheaper with a TNC?

>Experimentation. It's a lot easier to try prototype new things with
>software than it is hardware.

>

>What if your TNC could distinguish between 2 different packet stations
>transmitting at the same time?

>

>What if your TNC could send 256 distinct tones so we could do bytes
>per second instead of bits per second.

>

>What if your TNC did some smart error correction/guessing so that
>you didn't lose packets when a couple of bit's were missed?

>

>What if you wanted to dynamically increase the baud rate of your
>transmissions until you reached your radio's limit.

BROVO JACK! These are the same arguments we had to overcome here in Utah when a few of us proposed to design/build/install a 1.54 Mbaud TCP-IP/packet backbone completely through Utah, both directions. "After all, we can just put up a few more nodes and 1200baud is 4 times as fast as 300baud and if that's not fast enough, I know _____ who did 4800baud once and it was REALLY fast!"...sigh

For the record I don't want to come out against experimentation. I feel it is absurd to use a sound board on a PC for 1200 baud packet. If you want to write software for this or experiment with new modes then go for it. It sounds like a great project for learning.

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